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July 3, 1984
5211-84-2157

Dr. Thomas E. Murley
Region I, Regional Administrator
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Inspection Report 84-03 (Post Accident Sampling and Monitoring)

Our letter of March 8, 1984 provided the list of actions GPUN is pursuing in regard to post accident sampling along with commitment dates targeted for completion of each item. Responses to certain of those items were shown to require additional submittals.

This letter transmits GPUN's response to several outstanding items and indicates those items which have been completed since our last submittal of June 6, 1984.

Attachment 1 is an update to our list of outstanding items. Attachment 2 (TDR-563) provides the response to one of these items as indicated in Attachment 1. Those items for which responses have been provided are not included in this submittal.

Sincerely,


H. D. Hukill
Director, TMI-1

HDH/MkK/mle
Attachments

POST ACCIDENT SAMPLING AND MONITORING (IR 84-03)
OUTSTANDING ITEMS (NOTE 2)

IR Item No.	Original Inspection Report Item	GPUN Action No.	Remaining GPUN Action	Targeted Completion Date
84-03-01	RCS SAMPLING			
1.a	Provide the capability to obtain an RCS sample under all accident conditions and modes of operation.	1.a.3	Complete modification of post accident sampling system to tie in decay heat sample lines with the shielded reactor coolant sample line in the nuclear sampling room.	(Note 5)
84-03-02	CAS			
2.a	Modify CAS to permit sampling after containment isolation. Provide temperature and pressure indications at the gas sample bomb. Develop procedures to quantify the sample including temperature and pressure corrections.	2.a.5	Complete modification of Containment Atmosphere Sampling System as described in GPUN response to item 2.a.2 which was provided to NRC on May 11, 1984 (5211-84-2105).	08-01-84
84-03-04	SHIELDING			
4.1	Revise shielding study (RCS sampling) to include the following contributors: a - Sink drain trap and drain line. b - Undiluted coolant in the sink. c - Scattered radiation. d - Unshielded auxiliary lines. e - Residual contamination during subsequent sample attempts. f - Airborne radioactivity originating from sink.	4.1.e	Provide temporary shielding for the sample sink drain line and revise procedure to verify shielding is in place prior to initiation of RCS sample flow.	(Note 3)

POST ACCIDENT SAMPLING AND MONITORING (IR 84-03)
OUTSTANDING ITEMS (NOTE 2)

IR Item No.	Original Inspection Report Item	GPUN Action No.	Remaining GPUN Action	Targeted Completion Date
84-03-07	SAMPLING AND ANALYSIS OF PLANT EFFLUENTS (MAP-5)			
7.a	Develop procedures for collection of representative plant effluent samples including provisions for handling and analyzing high dose rate samples.	7.a.1	Investigate the collection, handling, and analysis of high dose rate samples as described in 7.a, make the necessary procedural modifications, and perform time and motion studies for the resultant process.	Complete (Note 1)
		7.a.2	Provide dose calculations based on the time and motion studies for the process which results from 7.a.1.	See Attachment 2
	Other PASS Commitments	9.a	Complete installation of seismic rack for bottled air to serve as backup air for eductor in the Containment Atmosphere Sampling System.	(Note 4)

NOTE 1 - This procedure is available at the site for inspection.

NOTE 2 - Items which were reported complete in previous transmittals have been deleted.

NOTE 3 - Completion of this item has been delayed awaiting the results of an engineering evaluation to determine if the recommended shielding would be prohibited due to floor loading restrictions. GPUN will continue to track this item until resolved.

NOTE 4 - Installation of the seismic rack for bottled air has been completed except for receipt and installation of qualified tubing connectors and bottles of the correct size. GPUN will continue to track this item until complete.

NOTE 5 - This modification is scheduled to be installed during the eddy current outage which will begin 120 days after obtaining 50% power or 90 days after achieving 100% power.